

Abstract

A white light-emitting device comprising a blue or blue-green light-emitting diode emitting light of 450-500nm wavelength, and two phosphor materials capable of emitting a yellow light with 520 to 580 nm wavelength, and a red light with 580 to 640 nm wavelength, respectively. The light-emitting diode and the two phosphor materials are packaged together to form the white light-emitting device.